

PATENT ABSTRACTS OF JAPAN

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(54) CONTROL VALVE FOR VARIABLE DISPLACEMENT COMPRESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a control valve for a variable displacement compressor equipped with stable operating characteristics by molding its pressure receiving member from a synthetic resin.

SOLUTION: The control valve of variable displacement compressor is equipped with a valve part 17 for controlling the internal pressure of the crank chamber 41 of compressor, an actuator rod 13 to make opening and closing interlocking with the valve part, pressure receiving member 35 to receive the pressure of the suction chamber 46 of compressor and restrict the motion of the rod, and an electromagnetic driving part 2 to restrict the opening/closing motions of the valve part interlocking with the actuator rod, wherein the pressure receiving member 35 is formed as a diaphragm of synthetic resin, one favorable example being polyimide.

